



466036

GDC 12/17/90 Hearing

Dr. West today

(tomorrow: McLaeth)

Ex #15 curriculum vitae of Dr. West

Prof at Purdue since 1966, Earth & Atmospheric Sciences

teaches geology of sanitary landfills / engineering geology
both undergraduate & gradfamiliar w/ GDC; 3 site visits 6/6/87 8/27/87
#2/12/90geology of site 5 ft of fill 50 ft sand ^{35 ft} clay, till,
bedrock

water 10 ft below surface at time of construction

30 ft of clay - good liner system for conventional solid
waste landfill

liners on sides - 4 boings on side

State aqued order

sand layer at surface = aquifer

water producing well at GDC extends into bedrock 440'
340' into bedrock, ~ 5 gal/min (low production,
high sulfur)

Qs : ① familiar w/ RCRA
reqs for hw landfills?

- ② does GDC meet?
dbl liner?
leachate collection system?
③ does GDC have gwm?
- for RCRA constituents
- can you say no haz constts
have migrated into gw

④ state agreed order -
under RCRA (haz waste)

state's fed

- familiar w/ hw trans/reqs?
- designed any hw landfills?
- does GDC meet RCRA ^{hw} landfill requirements?
- dbl liner
- leachate collection system? wells
 - GWM meet RCR hw? adequately constructed?
 - have any haz constts been tested for?
 - can you say no haz constts have migrated into gw?
no potential for migration
- Is well barrier effective in keeping H₂O out of landfill
to boundary & are there piezometers (^{new} wells) in & outside landfill to determine
water levels
West wall area flooded 11/14/90 - what from?
would this increase likelihood of leaching?
why no samples of west wall wells in 7/90

infiltration into landfill would generate more leachate

4 gwm wells outside facility/landfill

4 constituents

analytical results - chloride low 10-15 ppm
"encouraging" tends to suggest no much leachate

State will require 2 ft clay - part w/ fly ash only 1 ft
(KINDA requires min of 3 ft)

North pit = "problem"

inspection reports by IDEM for conventional standard?

need to keep north wall properly constructed to minimize migration through

Rules - Agreed Order 10/11/90

1) DEM inspections for RCRA hw, too?

are you familiar w/^{DEM} RCRA inspection 4/26/88, 6/8/90
RCRA record review 9/7/89?

Cause 53 "State agreed order" - deal w/ haz waste?
